

Name: _____

ml1112paper: Solve by factoring (v1)

1. Solve the equation

$$x^2 - 5x + 4 = 0$$

2. Solve the equation

$$x^2 + 8x + 15 = 0$$

3. Solve the equation

$$6x^2 - 12x + 54 = 5x^2 + 2x + 9$$

4. Solve the equation

$$5x^2 + 2x - 33 = 4x^2 + 4x - 9$$

5. Solve the equation

$$5x^2 + 54x + 81 = 0$$

6. Solve the equation

$$5x^2 - 2x - 16 = 0$$

7. Solve the equation

$$6x^2 + 39x + 48 = x^2 - 4x - 8$$

8. Solve the equation

$$15x^2 + 69x - 54 = 4x^2 - x - 5$$

Name: _____

ml1112paper: Solve by factoring (v2)

1. Solve the equation

$$x^2 + 2x - 48 = 0$$

2. Solve the equation

$$x^2 + 5x + 6 = 0$$

3. Solve the equation

$$5x^2 + 8x + 57 = 4x^2 - 6x + 8$$

4. Solve the equation

$$7x^2 + 2x - 23 = 6x^2 - 2x - 2$$

5. Solve the equation

$$2x^2 - 17x + 21 = 0$$

6. Solve the equation

$$11x^2 + 63x + 40 = 0$$

7. Solve the equation

$$9x^2 + 20x + 5 = 6x^2 + 6x - 3$$

8. Solve the equation

$$14x^2 - 28x + 3 = 3x^2 - 9x - 5$$

Name: _____

ml1112paper: Solve by factoring (v3)

1. Solve the equation

$$x^2 + x - 56 = 0$$

2. Solve the equation

$$x^2 + 16x + 64 = 0$$

3. Solve the equation

$$3x^2 + 26x + 80 = 2x^2 + 9x + 8$$

4. Solve the equation

$$8x^2 + 5x - 46 = 7x^2 + 6x - 4$$

5. Solve the equation

$$11x^2 + 108x + 81 = 0$$

6. Solve the equation

$$7x^2 - 17x - 12 = 0$$

7. Solve the equation

$$9x^2 - 17x - 4 = 6x^2 - 3x + 1$$

8. Solve the equation

$$7x^2 - 45x - 37 = 2x^2 - 9x - 5$$

Name: _____

ml1112paper: Solve by factoring (v4)

1. Solve the equation

$$x^2 - 10x + 21 = 0$$

2. Solve the equation

$$x^2 - 10x + 16 = 0$$

3. Solve the equation

$$9x^2 - 9x + 30 = 8x^2 + x + 5$$

4. Solve the equation

$$6x^2 + 7x + 34 = 5x^2 - 5x + 2$$

5. Solve the equation

$$11x^2 + 58x - 48 = 0$$

6. Solve the equation

$$11x^2 + 40x - 16 = 0$$

7. Solve the equation

$$14x^2 - 32x + 24 = 7x^2 + x + 4$$

8. Solve the equation

$$5x^2 - 7x - 28 = 3x^2 - 2x - 3$$

Name: _____

ml1112paper: Solve by factoring (v5)

1. Solve the equation

$$x^2 - 81 = 0$$

2. Solve the equation

$$x^2 - 2x - 15 = 0$$

3. Solve the equation

$$5x^2 + 2x + 24 = 4x^2 - 7x + 6$$

4. Solve the equation

$$6x^2 + 25x + 66 = 5x^2 + 8x - 6$$

5. Solve the equation

$$3x^2 + 2x - 16 = 0$$

6. Solve the equation

$$5x^2 + 48x + 64 = 0$$

7. Solve the equation

$$12x^2 - 55x - 12 = 5x^2 + 7x - 3$$

8. Solve the equation

$$7x^2 + 49x + 65 = 2x^2 - 3x + 2$$

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ml1112paper: Solve by factoring (v6)

1. Solve the equation

$$x^2 + 11x + 24 = 0$$

2. Solve the equation

$$x^2 - 5x - 24 = 0$$

3. Solve the equation

$$6x^2 + 7x - 6 = 5x^2 + 7x - 2$$

4. Solve the equation

$$6x^2 - 1 = 5x^2 - 2x + 2$$

5. Solve the equation

$$3x^2 - 13x - 56 = 0$$

6. Solve the equation

$$7x^2 - 22x - 24 = 0$$

7. Solve the equation

$$13x^2 - 86x + 52 = 2x^2 + 8x + 4$$

8. Solve the equation

$$13x^2 - 91x + 43 = 2x^2 - 9x + 8$$

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ml1112paper: Solve by factoring (v7)

1. Solve the equation

$$x^2 + 13x + 42 = 0$$

2. Solve the equation

$$x^2 + 3x - 18 = 0$$

3. Solve the equation

$$3x^2 + 6x - 32 = 2x^2 + 4x - 8$$

4. Solve the equation

$$2x^2 + 13x - 17 = x^2 + 5x - 8$$

5. Solve the equation

$$3x^2 + 22x - 16 = 0$$

6. Solve the equation

$$11x^2 + 14x - 16 = 0$$

7. Solve the equation

$$13x^2 + x - 13 = 8x^2 - 2x + 1$$

8. Solve the equation

$$15x^2 + 41x - 44 = 4x^2 + 6x - 8$$

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ml1112paper: Solve by factoring (v8)

1. Solve the equation

$$x^2 - 14x + 49 = 0$$

2. Solve the equation

$$x^2 + 9x + 18 = 0$$

3. Solve the equation

$$8x^2 - 4x - 69 = 7x^2 - 2x - 6$$

4. Solve the equation

$$6x^2 + 16x + 22 = 5x^2 + 6x - 3$$

5. Solve the equation

$$5x^2 + 3x - 14 = 0$$

6. Solve the equation

$$3x^2 + 25x - 18 = 0$$

7. Solve the equation

$$11x^2 + 30x + 21 = 4x^2 - 2x + 5$$

8. Solve the equation

$$6x^2 + 15x - 9 = x^2 - 3x - 1$$

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ml1112paper: Solve by factoring (v9)

1. Solve the equation

$$x^2 + 3x - 18 = 0$$

2. Solve the equation

$$x^2 + 5x + 6 = 0$$

3. Solve the equation

$$7x^2 + 2x = 6x^2 - 3x + 6$$

4. Solve the equation

$$8x^2 - 6x + 51 = 7x^2 + 9x - 3$$

5. Solve the equation

$$5x^2 - 17x + 14 = 0$$

6. Solve the equation

$$3x^2 - 34x + 63 = 0$$

7. Solve the equation

$$7x^2 - 49x + 54 = 2x^2 - 7x + 5$$

8. Solve the equation

$$9x^2 - 6x + 24 = 7x^2 + 9x - 3$$

Name: _____

ml1112paper: Solve by factoring (v10)

1. Solve the equation

$$x^2 - x - 42 = 0$$

2. Solve the equation

$$x^2 - 10x + 16 = 0$$

3. Solve the equation

$$6x^2 + 10x + 20 = 5x^2 - x + 2$$

4. Solve the equation

$$9x^2 + 13x + 31 = 8x^2 + x - 1$$

5. Solve the equation

$$3x^2 - 19x - 72 = 0$$

6. Solve the equation

$$2x^2 - 13x + 15 = 0$$

7. Solve the equation

$$10x^2 - 13x + 27 = 8x^2 + 4x - 9$$

8. Solve the equation

$$10x^2 - x - 57 = 8x^2 - 4x - 3$$

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ml1112paper: Solve by factoring (v11)

1. Solve the equation

$$x^2 + 9x + 8 = 0$$

2. Solve the equation

$$x^2 - 11x + 30 = 0$$

3. Solve the equation

$$4x^2 - 4x - 9 = 3x^2 + 2x - 2$$

4. Solve the equation

$$8x^2 + 12x + 62 = 7x^2 - 4x - 1$$

5. Solve the equation

$$11x^2 + 16x + 5 = 0$$

6. Solve the equation

$$11x^2 + 4x - 7 = 0$$

7. Solve the equation

$$10x^2 - 51x + 32 = 3x^2 - 3x - 4$$

8. Solve the equation

$$10x^2 - 5x - 12 = 8x^2 + 2x + 3$$

Name: _____

ml1112paper: Solve by factoring (v12)

1. Solve the equation

$$x^2 + 2x - 35 = 0$$

2. Solve the equation

$$x^2 - 4x - 12 = 0$$

3. Solve the equation

$$7x^2 - 6x + 31 = 6x^2 + 7x - 5$$

4. Solve the equation

$$9x^2 + 12x + 10 = 8x^2 + 3x - 4$$

5. Solve the equation

$$11x^2 - 84x + 49 = 0$$

6. Solve the equation

$$11x^2 - 69x - 56 = 0$$

7. Solve the equation

$$11x^2 - 44x + 61 = 6x^2 + 3x + 5$$

8. Solve the equation

$$5x^2 - 19x - 37 = 2x^2 - 6x - 7$$